

109-1

Introduction to Research 研究導論

Time: Tuesdays 13:10 - 15:00
Classroom: Room 604 (醫學院 604 教室)
Coordinator: Chi-Wu Chiang 蔣輯武(ext. 3637) (chiangcw@mail.ncku.edu.tw)
Teaching Assistant: (ext.3591)

2020/8/04 製作

Course Objectives: This course introduces graduate students to scientific integrity and research ethics, biosafety, time management, hypothesis testing, scientific reading and communication, abstract/poster/proposal writing, and an overview of various biomedical methodologies and technologies. Students will also be exposed to current pharmaceutical developments or job opportunities in Taiwan and Asia.

Course Format: A weekly 2-hour course and each topic will be covered in 2 sequential sessions with a combination of informal didactic presentation by the faculty, as well as discussion, oral and written presentation and hands-on planning by the students. **English** is used in the classroom and in written reports.

Grading Criteria: Students are evaluated based on attendance and classroom participation/performance (30%), assignments (40%), and Final report (30%) (Turn in the report no later than 5 pm on 01/05/2021).

課程進度 Course Progress Outline

序	日期	授課教師	主題 Topic
1	9/8	Chi-Wu Chiang 蔣輯武	Scientific Integrity
2	9/15*	Pao-Lin Kuo 郭保麟	Ethical Issues of Researches Involving Humans as well as Animals
3	9/22	Chi-Wu Chiang 蔣輯武	To Become a Successful Researcher
4	9/29	Ching-Hao Teng 鄧景浩	Biosafety and Lab safety
5	10/6	Ming-Jer Tang 湯銘哲	Issues in Publication of Data
6	10/13	Nanshan Chang 張南山	Scientific Reading (Journal formats, Data presentation & Interpretation, etc.)
7	10/20	Shainn-Wei Wang 王憲威	Scientific Writing I (Abstract & Poster)
8	10/27	Shainn-Wei Wang 王憲威	Scientific Writing II (Results)
9	11/3	Chi-Wu Chiang 蔣輯武	Communication Skills I (General and interpersonal skills)
10	11/10	Chi-Wu Chiang 蔣輯武	Communication Skills II (Scientific presentation skills)
11	11/17	Chi-Wu Chiang 蔣輯武	Methodology in Biomedical Research-Focusing on Molecular Biology
12	11/24	Ching-Hao Teng 鄧景浩	Methodology in Biomedical Research-Focusing on Bacteriology
13	12/1	Shaw-Jeng Tsai 蔡少正	Issues Related to Institutional Review Board (IRB)
14	12/8	Sareina Wu 吳瓊媛	Experiences from Bench Side to Industry
15	12/15	Jason Chen 陳嘉興	Industrial Experiences
16	12/22	Nanshan Chang 張南山	Animal Models for Human Diseases
17	12/29	Chi-Wu Chiang 蔣輯武	Final Report

*The lecture will be rescheduled to 9/14.

方法	百分比%	閱讀、理解與運用專業知識	彙整新知與良好的溝通能力	解決研究問題的能力
出席與課堂參與: Attendance, classroom participation & performance	30	V	V	V
作業: Assignments	40	V	V	V
期末報告: Final report	30	V	V	V